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The War Department has ruled that no class I man may be commissioned before enlistment in a non-fighting branch of the service.

Information regarding individuals is obtained from the questionnaire on file in the Bureau of Mines, Washington, D. C. If you have not filled out one of these questionnaires, write to the Bureau of Mines, asking that one be sent you for this purpose.

When once in the army, keep me informed by post card of your military address and any change in that address, even should you be sent to France. Although you may not be chosen early among those needed for chemical service, the demand for chemists is constantly increasing, and your country may call you at any time where you are best trained to serve.

It is my duty to help place you where you can serve our country best as the need arises. It is your duty to keep me informed of your address and to accept any service to which the War Department may assign you, even if you prefer to fight in the ranks in France.

#### SCIENTIFIC NOTES AND NEWS

DR. JOHN M. COULTER, professor of botany in the University of Chicago, has been elected president of the Chicago Academy of Science. Professor Coulter is this year also president of the American Association for the Advancement of Science and of the American Association of University Professors.

DR. GEORGE T. MOORE, director of the Missouri Botanical Garden, has been elected president of the Academy of Science of St. Louis, to succeed the late Dr. E. A. Engler.

PROFESSOR THOMAS A. JAGGAR, JR., of the Hawaiian Volcano Observatory, has been elected a non-resident vice-president of the Washington Academy of Sciences.

DR. FRANCIS G. BENEDICT, director of the nutrition laboratory of the Carnegie Institute in Brookline, Mass., has received a gold medal from the National Institute of Social Sciences, in recognition of his "notable service to mankind." The medal was presented at the recent fifth annual dinner of the National Institute in New York City.

PROMINENCE has been given in the press to a story that Dr. Liberty Hyde Bailey, of Ithaca,

former director of the College of Agriculture, has been selected by the Democratic chiefs as their candidate for nomination for governor of the state of New York. Mr. Bailey states that this action, if it has been taken, is without his consent, and that he has not been consulted in the matter.

MEMBERS of the Public Health Council, executive officers of the state department of health, and former United States Public Health Service representatives, gave a dinner in honor of Dr. Allen J. McLaughlin, commissioner of health, Boston, prior to his departure to begin work in Washington as assistant surgeon general in charge of the Division of Interstate Quarantine.

A BANQUET in honor of the ninety-fifth birthday of Dr. Stephen Smith, New York, known for his work in medicine and sanitation, was given at the Battle Creek (Mich.) Sanitarium, on February 19. Dr. Smith gave a most interesting account of the changes he had witnessed in the methods of his profession.

THE Mayo Unit, Rochester, of which Major Louis B. Wilson, U. S. Army, is director, with Captains Wayne W. Bissell and Arthur U. Des Jardins as assistant directors, has left for a mobilization point preparatory to sailing for France.

MAJOR BASHFORD DEAN, of the Bureau of Ordnance, has lately returned from a journey to England and France.

DR. R. T. CRAWFORD, associate professor of practical astronomy at the University of California, has been commissioned major in the aviation section of the Signal Corps and has been detailed for duty at the Balloon School at Fort Omaha.

CLARENCE F. HIRSCHFELD, until 1915 professor of power engineering at Cornell University, has received a commission as major in the Ordnance Reserve Corps and is now stationed in the inspection division of the Ordnance Department. He has been with the Detroit Edison Light and Power Company.

DR. PAUL E. KLOPSTEG, of the physics department of the University of Minnesota, has been granted a year's leave of absence for the

purpose of developing instruments for the Ordnance Department for measuring velocities of projectiles.

DR. R. R. DYKSTRA, professor of surgery in the department of veterinary medicine of the University of Kansas, has been appointed veterinarian of the Kansas State Board of Agriculture for the year 1918.

CECIL C. THOMAS has resigned his position as instructor in botany at the New York State College of Agriculture at Cornell University, to accept an assistantship in plant disinfection with the Federal Horticultural Board of the U. S. Department of Agriculture.

MAJOR SAMUEL C. PRESCOTT, of the Sanitary Corps, National Army, who is professor of biology at the Massachusetts Institute of Technology, is about to make an extended tour through the cantonments of the South and West.

DR. EDWARD CLARK, of Buffalo, has been relieved of his duties as acting chief of the division of child hygiene of the state department of health at Albany, and has returned to his former duty as sanitary supervisor of the western part of the state, with station at Buffalo. Dr. Herman F. Senftner, New York City, has succeeded Dr. Edward Clark as the head of the division of child hygiene, pending the release of Dr. Henry L. K. Shaw, Albany, from military service.

DR. E. H. LESLIE has resigned from his position as chief chemist of the General Petroleum Corporation of Los Angeles, and has assumed new duties as technical adviser to the sales department of the U. S. Industrial Alcohol Company and the U. S. Industrial Chemical Company. He will be located in their main offices at 27 William Street, New York City.

DR. W. K. FISHER, of Stanford University, has been granted leave of absence until August 15 to accompany the University of Iowa's biological expedition to the British West Indies.

PROFESSOR HENRY C. SHERMAN, of Columbia University, lectured on February 27, before the Chicago Institute of Medicine upon "Fundamental Requirements in Human Nu-

trition," and on February 28 spoke to the City Club of Chicago on "America's Food Problem" and to the faculty and students of Illinois University Medical College on "Nutrition and Food Economics."

THE annual address of the Alpha Omega Alpha Honorary Medical Fraternity at Western Reserve Medical School was delivered on February 20 by Dr. Roger G. Perkins, professor of hygiene, whose subject was "Medical Conditions in Roumania." Major Perkins has just returned from Roumania with the American Red Cross Commission.

THE building for an aeronautical school to be erected at the Carnegie Institute of Technology is to be called the Langley School of Aeronautics, in honor of Samuel Pierpont Langley.

DR. SAMUEL G. DIXON, commissioner of the Pennsylvania State Department of Public Health, president of the Academy of Natural Science, formerly professor of hygiene in the University of Pennsylvania, died on February 26, at the age of sixty-six years.

DR. ARTHUR H. ELLIOTT, emeritus chief chemist of the New York Consolidated Gas Company and emeritus professor of chemistry and physics in the College of Pharmacy, died on March 2, at the age of seventy years.

CHARLES A. HART, systematic entomologist of the State Natural History Survey, died suddenly of heart disease on February 17. He was a member of the American Society of Zoologists.

THE death is announced of Professor Christian Hornung, Sc.D., on January 31, 1918, of arteriosclerosis, aged seventy-three years. For fifty years Professor Hornung held the chair of mathematics in Heidelberg University, Tiffin, Ohio. He is referred to as "a distinguished scholar, author of mathematical texts and correspondent of many noted astronomers and mathematicians and a member of the national societies devoted to his profession."

THE REV. A. T. G. APPLE, M.A., died in Lancaster, Pa., on February 5, of angina pectoris, aged fifty-eight years. For the past eleven years Professor Apple has been pro-

fessor of mathematics and astronomy in Franklin and Marshall College and director of the Scholl Observatory. A correspondent writes: "He was an indefatigable worker and his publications on Jupiter brought him recognition both in this country and abroad. The observations and calculations in connection with this work and also that on the double stars, have been used in the Government Almanac. Professor Apple was a member of the American Astronomical Society, the British Astronomical Association and a fellow of the American Association for the Advancement of Science."

LIEUTENANT E. J. WOODHOUSE, until recently economic botanist to the government of Bengal, has died from wounds received in action in France.

THE death, at the age of fifty-eight years, is announced of Dr. G. Lepage, professor of obstetrics in the University of Paris.

THE Rockefeller Foundation has appropriated \$125,000 to continue the war demonstration hospital of the Rockefeller Institute, \$50,000 for the work of the medical division of the National Research Council of the Council of National Defense and \$12,281 for other medical war research and relief work.

DR. T. MITCHELL PRUDDEN, emeritus professor of pathology in Columbia University, who has spent many years in the study of the small ruins of southern Colorado, has presented to the American Museum of Natural History a collection of pottery and other objects acquired during the course of his work. Dr. W. L. Hildburgh has presented to the museum a very carefully selected collection of archeological objects from New York state, containing some fine Iroquois pots and pipes. Dr. Hildburgh, known for his work in anthropology, has resided for a number of years in England.

A "GENERAL Congress of Civil Engineering" will be held in Paris on March 18-23 next. The objects of the conference, as recently explained to the French Minister of Commerce and Industry and quoted in *Nature*, are to awaken the French nation to the need

for increased industrial enterprise and the attainment of industrial agreement. The Minister expressed the hope that the conference would give very close attention to such questions as the saving of fuel and the thorough utilization of intellectual and mechanical effort; wage war on waste of all kinds; and advocate the systematic utilization of by-products, and the adoption of improved scientific mechanical methods of production—in short, give that place to applied knowledge that it now merits.

THE California Academy of Sciences announces that the course of popular scientific lectures is being continued on Sunday afternoons at three o'clock in the auditorium of the Museum in Golden Gate Park as follows:

February 17. Professor E. G. Linsley, department of geology and astronomy, Mills College, "Our nearest neighbor, the Moon." Illustrated.

February 24. Dr. F. W. Weymouth, department of physiology, Stanford University, "The crab fisheries of the Pacific coast." Illustrated.

March 3. Professor Harold Heath, professor of zoology, Stanford University, "The Pacific whale fisheries." Illustrated.

March 10. Mr. Ralph Hopping, U. S. Forest Service, "Pine insects and their depredations."

SENATOR OWEN introduced into the Senate, and Representative Dyer into the House of Representatives, the following bill regarding rank of the Medical Reserve Corps of the Army:

That hereafter the commissioned officers of the Medical Corps, and of the Medical Reserve Corps of the United States Army on active duty shall be distributed in the several grades in the same ratios heretofore established by law in the Medical Corps of the United States Navy.

The Surgeon-General shall have authority to designate as "consultants" officers of either corps and retire them as the interests of the service may require.

SECRETARY of the Interior Lane has designated Bartlesville, Okla., as the location of the new experimental station of the Bureau of Mines for the investigation of problems relating to the petroleum and natural gas industries. The station is one of three new experi-

mental stations for the establishing of which the sum of \$75,000 was appropriated by the last Congress. The two other stations have been located at Minneapolis, Minn., for the study of iron and manganese problems, and at Columbus, Ohio, for research connected with the ceramic and clayworking industries. The selection of Bartlesville was due to its location in the heart of the great mid-continent oil and gas field. The selection was influenced also by the offer of a free site and by the raising of \$50,000 by the citizens of the town. This sum of money will be applied to the building of offices and laboratories and the purchase of engineering and chemical equipment. The technical staff of the new experimental station will study various problems having practical commercial application to the petroleum and natural gas industries, including questions of production, transportation, storage and refining of petroleum and various problems connected with the technology of natural gas. One of the greatest needs of the petroleum industry has been the coordination of scientific research with the practical side of the industry, for compared with other mineral industries it has been singularly backward in this respect. The station is aimed to act an intermediary between the facts evolved by scientific investigations and the needs of the oil industries. That is, men will be employed who will be able to gather scientific data and find out how they may be applied to the practical needs of the industry.

JACOB T. BOWNE, librarian of the Young Men's Christian Association College, has given his anthropological collection to the Springfield Museum of Natural History. The collection consists of some thousands of objects with complete catalogue giving the history of each object and the conditions under which it was found, with many bibliographical references to further sources of information. Mr. Bowne has spent fifty years in the study of primitive man, laying special emphasis upon the North American Indian, and the greater part of the collection is made up of relics of the Indians of the Connecticut Valley within twenty miles of Springfield. The specimens

of Indian handiwork in stone, bone, shell and pottery were gathered from sites of ancient camps and burial places in this immediate vicinity. In addition to the objects. Mr. Bowne's gift includes several hundred books on anthropology, some of them very rare, together with archeological cabinets, manuscripts, maps and diagrams. The collection will remain in Mr. Bowne's keeping for the present. In accepting the collection for the museum, the directors passed the following resolution:

*Resolved*, That the directors extend to Mr. Jacob T. Bowne the hearty and appreciative thanks of the City Library Association for the gift of his extensive and finely organized anthropological collection, which is the result of many years of assiduous and discriminating study. The collection, relating especially to the North American Indian type and more particularly to the Indian of the Connecticut valley within 20 miles of Springfield, including the remains of aboriginal handiwork in stone, bone, shell and pottery, gathered from the sites of ancient camps and burial places in this immediate vicinity, forms a most desirable accession for the museum of natural history. The citizens of Springfield are deeply indebted to Mr. Bowne for his generosity in making this public gift.

#### UNIVERSITY AND EDUCATIONAL NEWS

THE Carnegie Corporation has presented McGill University with \$1,000,000 in recognition of the institution's "devoted service and sacrifice towards Canada's part in the war."

IN the State University of Iowa this year, not a single undergraduate in the College of Liberal Arts qualified for the Sigma Xi. Although students are taking their studies more seriously than in former years the records show that the ablest students have been drawn into war service.

DR. RUSSELL A. HIBBS, of the University of Louisville, has been appointed professor of orthopedic surgery in the college of physicians and surgeons of Columbia University. Dr. Eugene W. Caldwell, of Bellevue Hospital Medical College, has been appointed to the newly established chair of roentgenology. Dr. Vera Danschakoff, formerly of Moscow, has been promoted to be assistant professor of